



# Australian Bureau of Statistics

## 1216.0.15.002 - Australian Standard Geographical Classification (ASGC) Correspondences, July 2011

Latest ISSUE Released at 11:30 AM (CANBERRA TIME) 14/07/2011 Final

## Summary

### Main Page

#### 2011 ASGC AREA BASED CORRESPONDENCES

The Australian Standard Geographical Classification (ASGC) is a hierarchical classification system of geographical areas and consists of a number of interrelated structures. It provides a common framework of statistical geography and enables the production of statistics which are comparable.

The 2011 ASGC is the final edition of the ASGC and has a date of effect of 1 July 2011. From 2011 onwards the ABS will be using a new statistical geography called the Australian Statistical Geography Standard (ASGS).

The product **Australian Standard Geographical Classification (ASGC) Correspondences** (cat. no. 1216.0.15.002) contains four separate correspondence files (previously known as concordance files). These files are comma delimited text files. Metadata information that shows the file formats are included below.

Further information can be obtained by emailing [geography@abs.gov.au](mailto:geography@abs.gov.au)

#### 2011 ASGC Structures Correspondence

This file shows the relationship of the Statistical Local Area (SLA) within the 2011 ASGC Structures. This includes the Main Structure, the Statistical District Structure, the Statistical Region Structure and the Local Government Area Structure.

#### 2011 LGA from 2011 SLA Correspondence

This file allows the conversion of data from the ASGC Edition 2011 Statistical Local Areas (SLA) to 2011 Local Government Areas (LGA). This area based correspondence can be used to translate statistics aggregated by SLA to LGA aggregations.

#### 2011 SLA from 2006 CD Correspondence

This file allows the conversion of data from the 2006 Collection Districts (CD) to ASGC Edition 2011 Statistical Local Areas (SLA). This area based correspondence can be used to translate statistics aggregated by CD to SLA aggregations.

#### 2011 SLA from 2010 SLA Correspondence

This file allows the conversion of data from the 2010 Statistical Local Areas (SLA) to ASGC

Edition 2011 Statistical Local Areas (SLA). This area based correspondence can be used to translate statistics aggregated by 2010 SLA to 2011 SLA aggregations.

For more information on statistical geography please view the [ABS Geography](#) portal.

## 2011 Australian Standard Geographical Classification Structures Correspondence

### 2011 AUSTRALIAN STANDARD GEOGRAPHICAL CLASSIFICATION (ASGC) STRUCTURES CORRESPONDENCE

This file shows the relationship of the Statistical Local Area (SLA) within the 2011 ASGC Structures: the Local Government Area Structure, the Main Structure, the Statistical District Structure and the Statistical Region Structure. The file is really a straight allocation hierarchy file and contains a total of 1,399 records. 'Migratory - Offshore - Shipping' SLAs are included in this count.

File Name: 'ASGC2011\_Structures.txt'

Format: ASCII comma delimited text file

ASGC Edition 2011: Date of effect 1 July 2011

#### Record Structure

Field	Name	File Abbreviation
1	Statistical Local Area Maincode 2011	SLA_MAINCODE_2011
2	Statistical Local Area Name 2011	SLA_NAME_2011
3	Statistical Local Area 5 Digitcode 2011	SLA_5DIGITCODE_2011
4	Statistical Subdivision Code 2011	SSD_CODE_2011
5	Statistical Subdivision Name 2011	SSD_NAME_2011
6	Statistical Division Code 2011	SD_CODE_2011
7	Statistical Division Name 2011	SD_NAME_2011
8	State Code 2011	STATE_CODE_2011
9	State Name 2011	STATE_NAME_2011
10	Statistical District Code 2011	SDIST_CODE_2011
11	Statistical District Name 2011	SDIST_NAME_2011
12	Major Statistical Regions Code 2011	MSR_CODE_2011
13	Major Statistical Regions Name 2011	MSR_NAME_2011
14	Statistical Regions Code 2011	SR_CODE_2011
15	Statistical Regions Name 2011	SR_NAME_2011
16	Statistical Regions Sector Code 2011	SRS_CODE_2011
17	Statistical Regions Sector Name 2011	SRS_NAME_2011
18	Statistical Local Area Region Code 2011	SLA_REGIONCODE_2011
19	Local Government Area Code 2011	LGA_CODE_2011
20	Local Government Area Name 2011	LGA_NAME_2011

## 2011 LGA from 2011 SLA Correspondence (LGA\_SLA)

### LOCAL GOVERNMENT AREA 2011 (LGA) FROM STATISTICAL LOCAL AREA 2011 (SLA) CORRESPONDENCE

This file identifies which 2011 LGAs comprise of which 2011 SLAs. This file comprises of 1,390 records. 'Migratory - Offshore - Shipping' SLAs are not included.

File name: CA2011LGA\_2011SLA.txt

Format: ASCII comma delimited text file

#### Record Structure

Field Name

- 1 Local Government Area 2011 Code ("LGA\_CODE\_2011")
- 2 Local Government Area 2011 Name ("LGA\_NAME\_2011")
- 3 Statistical Local Area 2011 Code ("SLA\_MAINCODE\_2011")
- 4 Statistical Local Area 2011 Name ("SLA\_NAME\_2011")

5 Ratio

6 Percent

**Ratio** - figures expressed as part of 1 - actual figures can be up to 10 decimal places.

**Percentage** - figure expressed as a percentage ranges from 100 to 0

Copyright Commonwealth of Australia administered by the ABS.

## 2011 SLA from 2006 CD Correspondence (SLA\_CD)

### 2011 STATISTICAL LOCAL AREA FROM 2006 COLLECTION DISTRICTS CORRESPONDENCE

This file identifies which 2011 SLAs comprise of which 2006 CDs.

The file contains a total of 42,188 records. Off-shore, Shipping and Migratory CDs and Water CDs are not included in this count.

File Name: 'CA2011SLA\_2006CD.txt'

Format: ASCII comma delimited text file

#### Record Structure

## Field Name

1 Statistical Local Area 2011 Code ("SLA\_MAINCODE\_2011")

2 Statistical Local Area 2011 Name ("SLA\_NAME\_2011")

3 Collection District 2006 Code ("CD\_CODE\_2006")

4 Collection District 2006 Code ("CD\_CODE\_2006")

5 Ratio

6 Percent

**Ratio** - figures expressed as part of 1 - actual figures can be up to 10 decimal places.

**Percentage** - figure expressed as a percentage ranges from 100 to 0

Please note the correspondence CA2011SLA\_2006CD.txt has two fields containing CD\_CODE\_2006. This is due to the fact that CDs do not have a name, however the program needs two of the columns populated, and therefore the CD\_CODE\_2006 has been duplicated.

Copyright Commonwealth of Australia administered by the ABS.

## 2011 SLA from 2010 SLA Correspondence (SLA\_SLA)

### ASGC 2011 FROM ASGC 2010 STATISTICAL LOCAL AREA (SLA) CORRESPONDENCE

This file assists in the conversion of 2011 SLAs from 2010 SLAs. This file contains a total of 1,395 records. 'Migratory - Offshore - Shipping' SLAs are not included.

File Name: 'CA2011SLA\_2010SLA.txt'

Format: ASCII comma delimited text file

### Record Structure

## Field Name

1 Statistical Local Area 2011 Code ("SLA\_MAINCODE\_2011")

2 Statistical Local Area 2011 Name ("SLA\_NAME\_2011")

3 Statistical Local Area 2010 Code ("SLA\_MAINCODE\_2010")

4 Statistical Local Area 2010 Name ("SLA\_NAME\_2011")

5 Ratio

6 Percent

**Ratio** - figures expressed as part of 1 - actual figures can be up to 10 decimal places.

**Percentage** - figure expressed as a percentage ranges from 100 to 0

Copyright Commonwealth of Australia administered by the ABS.

## About this Release

These correspondences consist of 4 zipped comma delimited files for the current edition of the ASGC. These are: previous Census Collection District to current SLA correspondence; current SLA to current LGA correspondence, previous year SLA to current SLA correspondence; and a hierarchy list of all levels of the current ASGC edition. These correspondences do not calculate between the ASGC and non-ASGC Geographies such as Postcodes.

Further information may be obtained from Geography by emailing [geography@abs.gov.au](mailto:geography@abs.gov.au)

# Explanatory Notes

## Explanatory Notes

### 2011 CORRESPONDENCES PRODUCT BRIEF

#### Introduction

The Australian Bureau of Statistics (ABS) provides a set of correspondence files that enable users to convert data from one type of geographic area to another.

The standard correspondences available within this product are:

2011 LGA from 2011 SLA

2011 SLA from 2006 CD

2011 SLA from 2010 SLA

These files are area based correspondences. They provide a ratio of the area of overlap calculated using a GIS system. For example, a 2011 SLA may be made up of 90% of one 2010 SLA plus 10% of another 2010 SLA.

The file naming is expressed in the form of "to area" = "from area" multiplied by a ratio.

### File Naming Convention for Standard Correspondences

#### Character and Meaning

Character	Meaning
1	C = Correspondence
2	A = Area Based Correspondence
3-6	Year of To Area
7-9	Type of To Area eg.SLA*
10	—
11-14	Year of From Area

\* in some cases the Area type is two characters, eg "CD", adjust character count appropriately

For Example

CA2011SLA\_2006CD.txt is the text file containing the information concurring 2006 Census Collection Districts (CD) to 2011 SLAs based on the area correspondence principal.

Note. These files are sometimes known as a CD 2006 to SLA 2011 correspondence, but the ABS express these in the format of 2011 SLA from 2006 CD because this is the order the data appears in the file.

### File Format for Standard Correspondences

Correspondence files are comma-delimited text files.

Field Name	Type
To Area Code	Character
To Area Name	Character
From Area Code	Character
From Area Name	Character
Ratio	Number
Percent	Number

Field Names will vary from file to file but are consistent in nature. The field name is constructed from the area type and date. For example the code field from the 2011 SLA file will have the name "SLA\_MAINCODE\_2011", and the name field from the 2011 SLA file will have the name "SLA\_NAME\_2011".

It is important to note the placement/ positioning convention as it is similar to the file naming convention.

Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places.

Percentage - figures expressed as a percentage ranges from 0 to 100.

### An Example

An example of how to interpret the files is described below. The example is from the area based correspondence CA2011SLA\_2006CD.txt.

SLA_MAINCODE_2011	SLA_NAME_2011	CD_CODE_2006	CD_CODE_2006	RATIO	PERCENT
315102330	Cherbourg (S)	3101610	3101610	0.0003086	0.0308615
315102330	Cherbourg (S)	3101611	3101611	1	100
315102330	Cherbourg (S)	3101612	3101612	0.99942	99.942

The estimated value to 2011 SLA Cherbourg (S) data would be:

315102330 Cherbourg (S) = 3101610 data multiplied by 0.0003086

plus

315102330 Cherbourg (S) = 3101611 data multiplied by 1

plus

315102330 Cherbourg (S) = 3101612 data multiplied by 0.99942

Please remember these are area based correspondences and therefore are giving the ratio/percentage of the CDs physical area that is within the 2011 SLA's physical area. This example indicates a small misalignment where only a small amount (0.0308615%) of CD 3103610 is within the 2011 SLA of Cherbourg (S). The majority of the SLA is made up of CDs 3101611 and 3101612.

Please note the correspondence CA2011SLA\_2006CD.txt has two fields containing CD\_CODE\_2006. This is due to the fact that CDs do not have a name, however the program needs two of the columns populated, and therefore the CD\_CODE\_2006 has been duplicated.

## **Copyright Commonwealth of Australia administered by the ABS**

For enquiries please email : [geography@abs.gov.au](mailto:geography@abs.gov.au)